10/11/2005 9:51:00 AM

FIG. 1

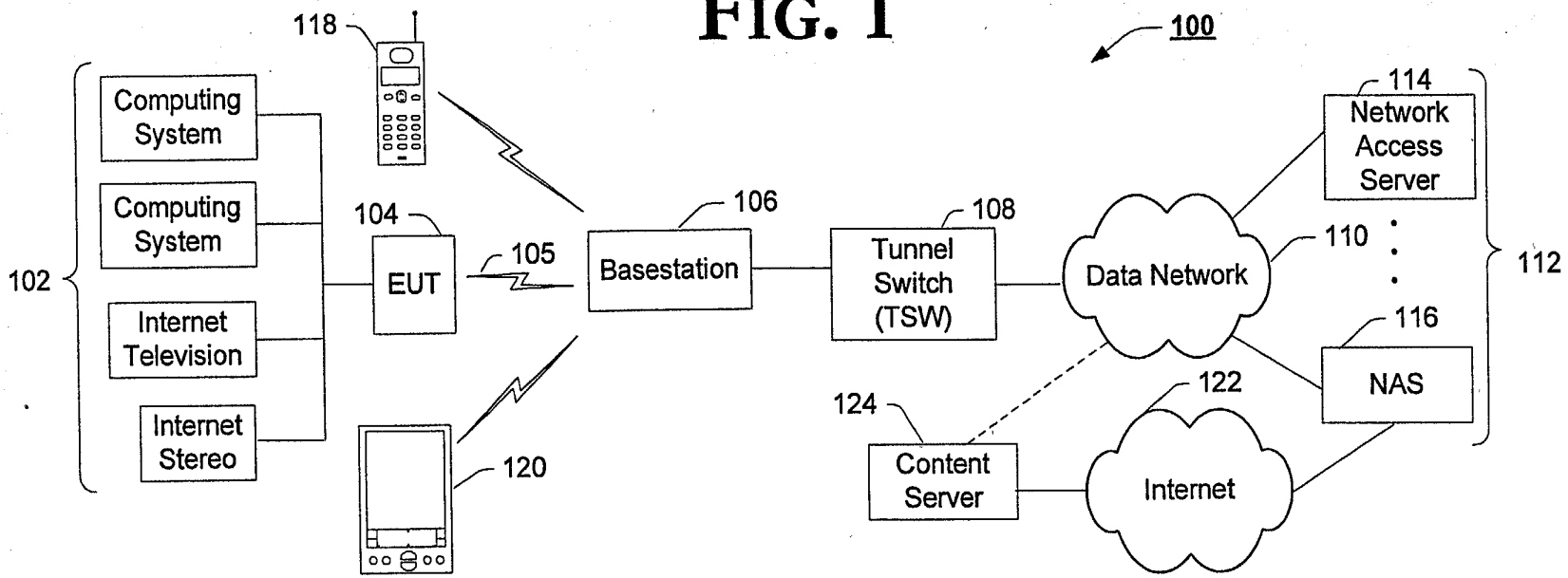


FIG. 2

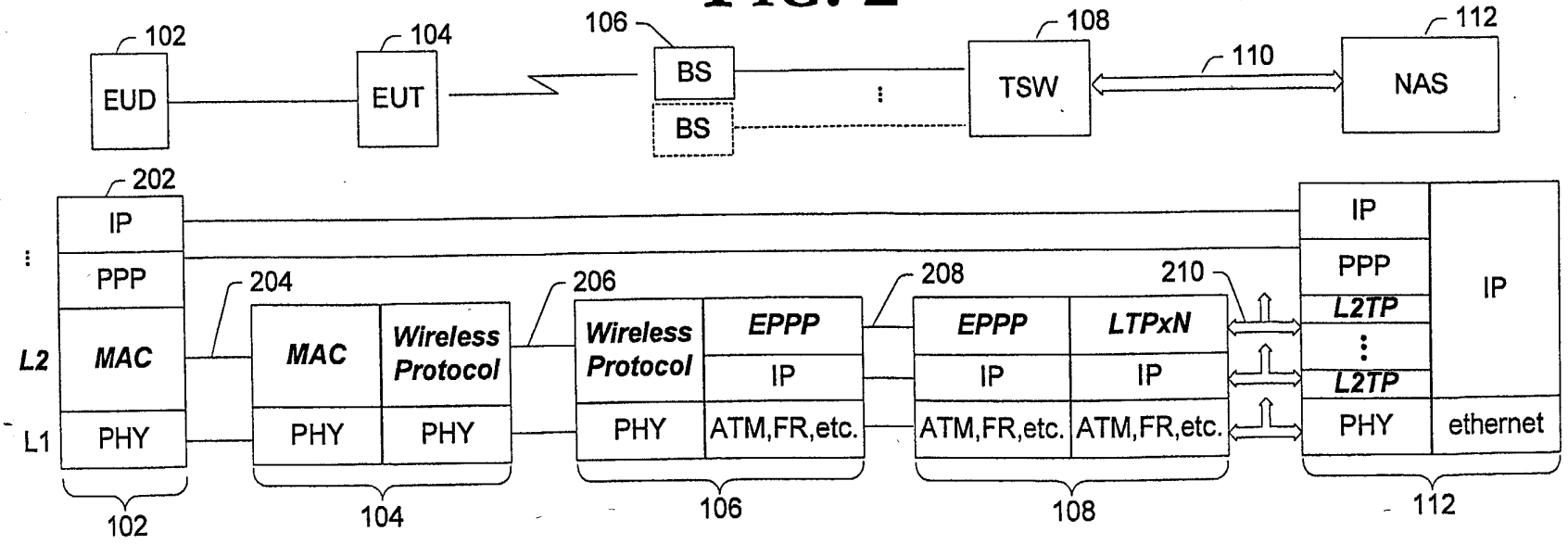


FIG. 3

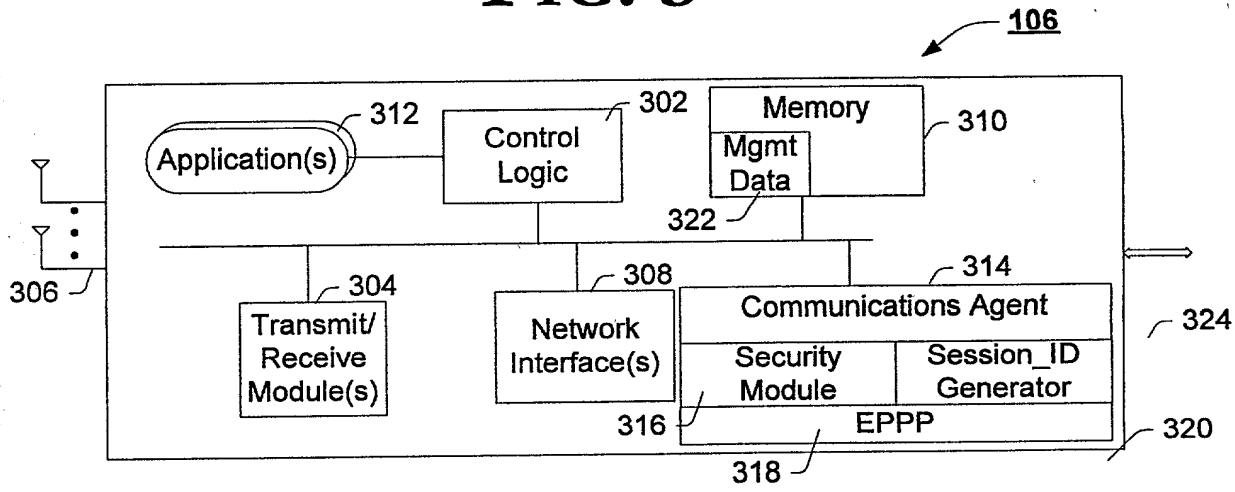


FIG. 4

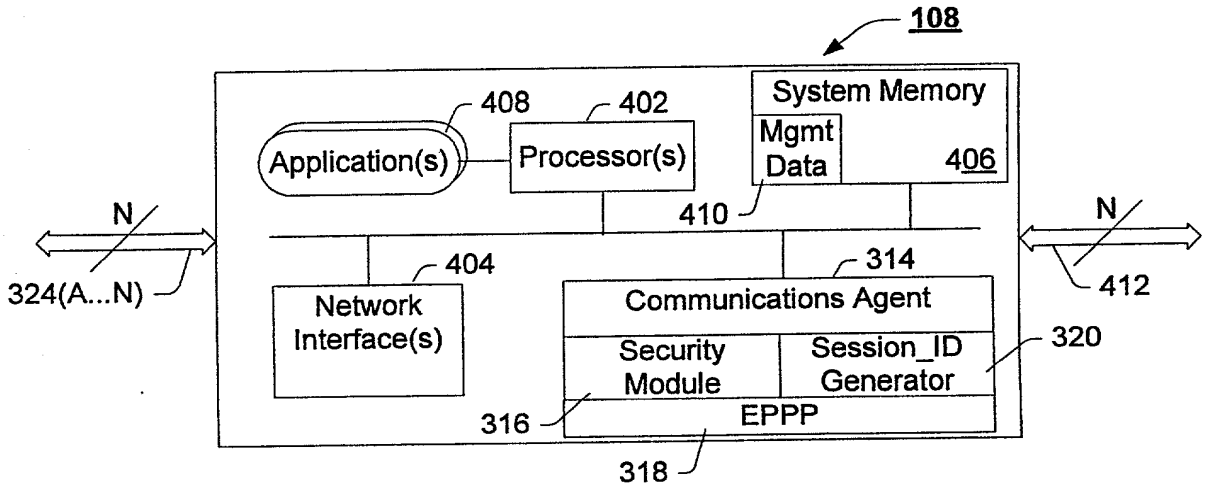


FIG. 5

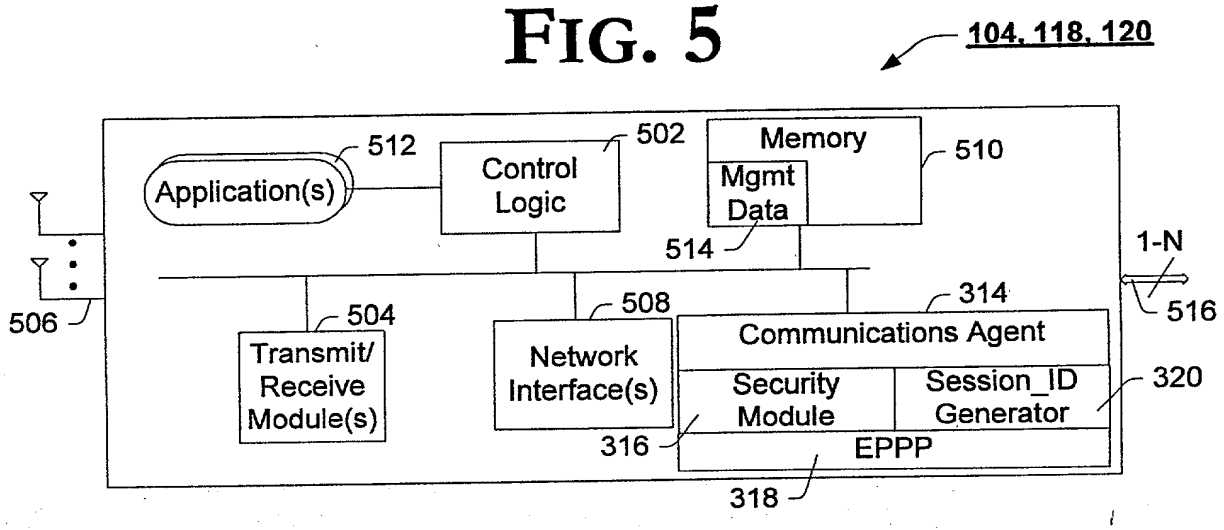


FIG. 6A

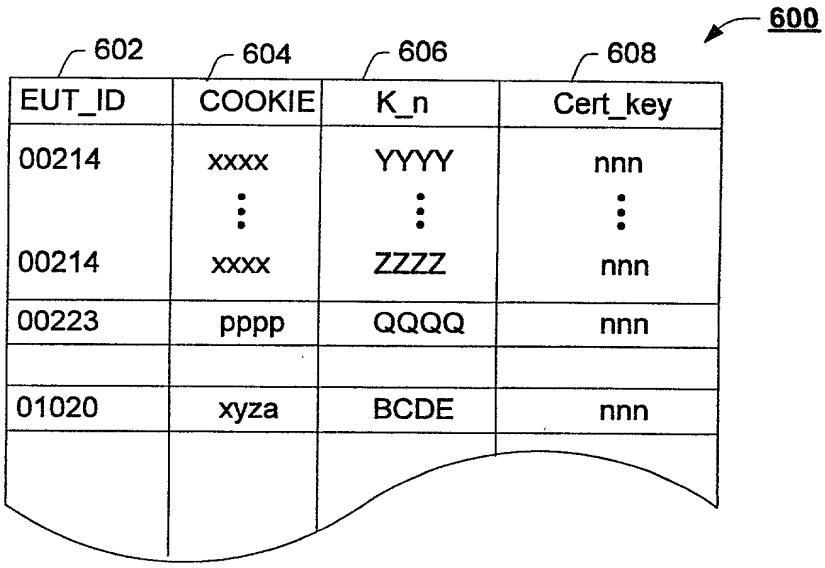

600
602
604
606
608
EUT_ID
COOKIE
K_n
Cert_key
00214
xxxx
YYYY
nnn
00214
xxxx
ZZZZ
nnn
00223
pppp
QQQQ
nnn
01020
xyza
BCDE
nnn

FIG. 6B

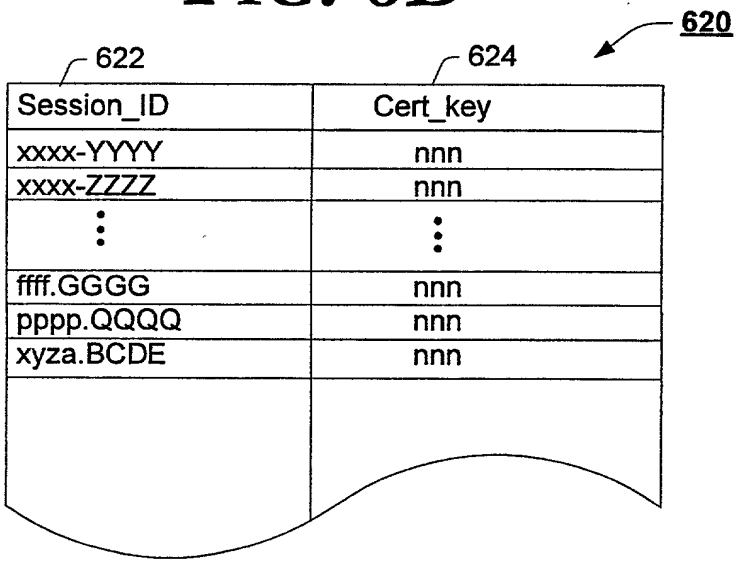

620
622
624
Session_ID
Cert_key
xxxx-YYYY
nnn
xxxx-ZZZZ
nnn
ffff.GGGG
nnn
pppp.QQQQ
nnn
xyza.BCDE
nnn

FIG. 7

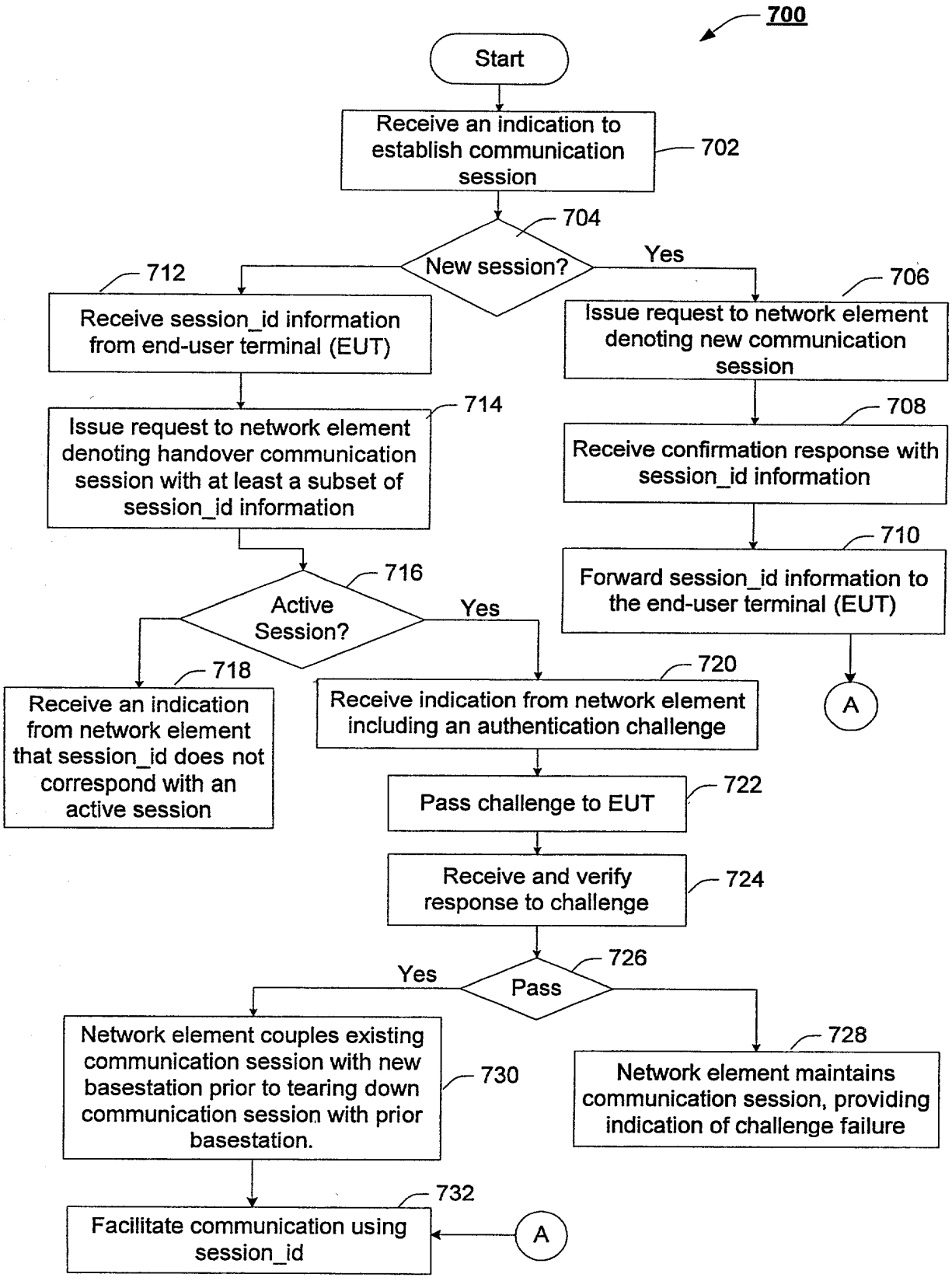

700
Start
Receive an indication to establish communication session
702
704
New session?
Yes
712
Receive session_id information from end-user terminal (EUT)
706
Issue request to network element denoting new communication session
714
Issue request to network element denoting handover communication session with at least a subset of session_id information
708
Receive confirmation response with session_id information
710
Forward session_id information to the end-user terminal (EUT)
716
Active Session?
Yes
718
Receive an indication from network element that session_id does not correspond with an active session
720
Receive indication from network element including an authentication challenge
A
722
Pass challenge to EUT
724
Receive and verify response to challenge
726
Pass
Yes
728
Network element maintains communication session, providing indication of challenge failure
730
Network element couples existing communication session with new basestation prior to tearing down communication session with prior basestation.
732
Facilitate communication using session_id
A

Exhibit 5

FIG. 8

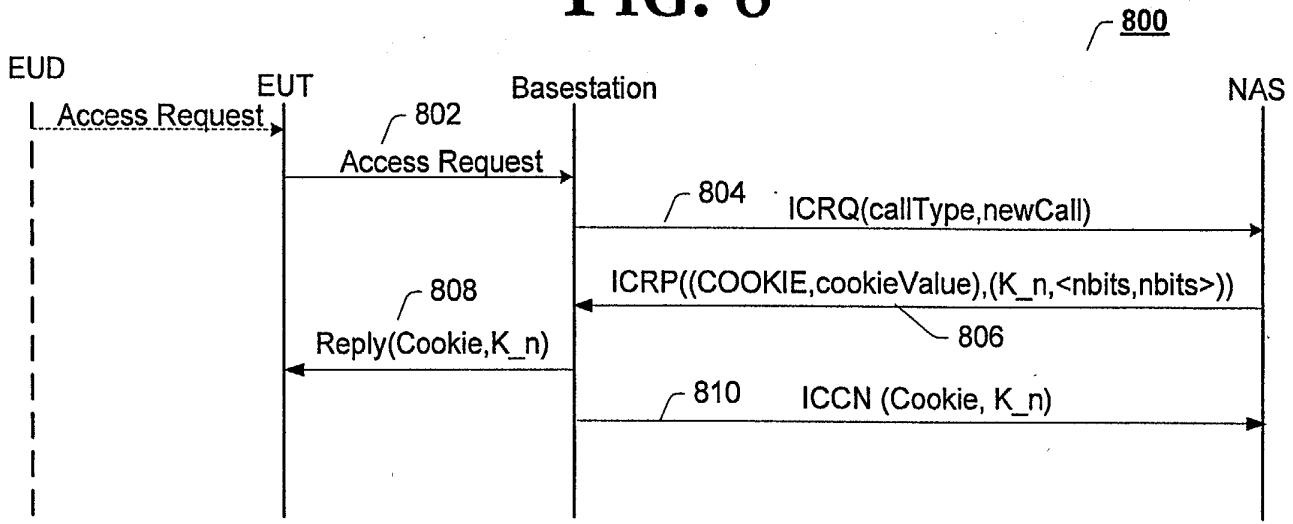


FIG. 9

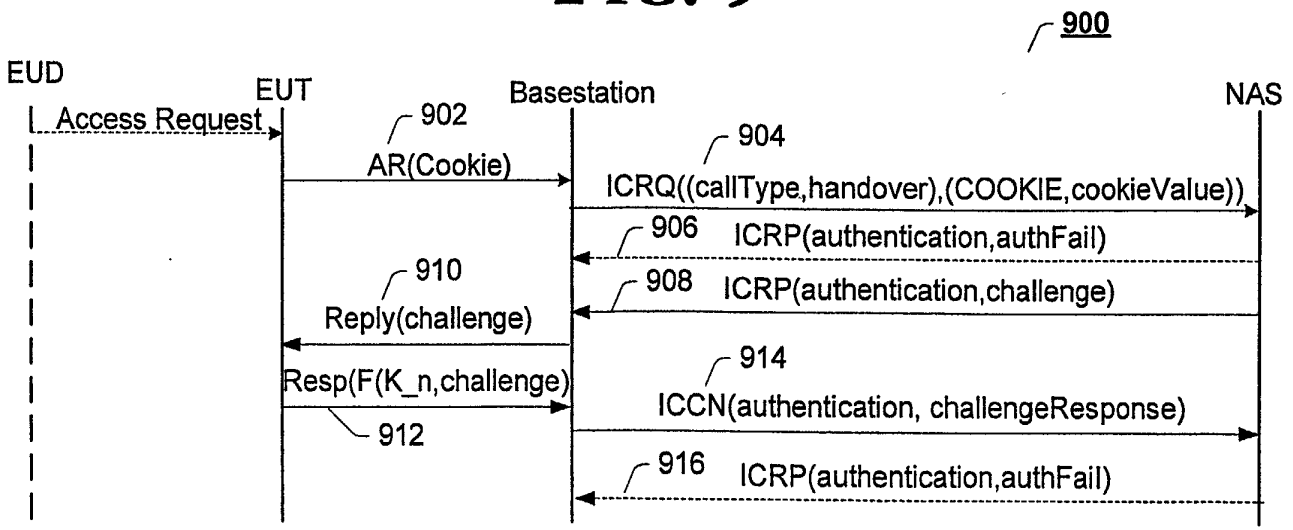


FIG. 10

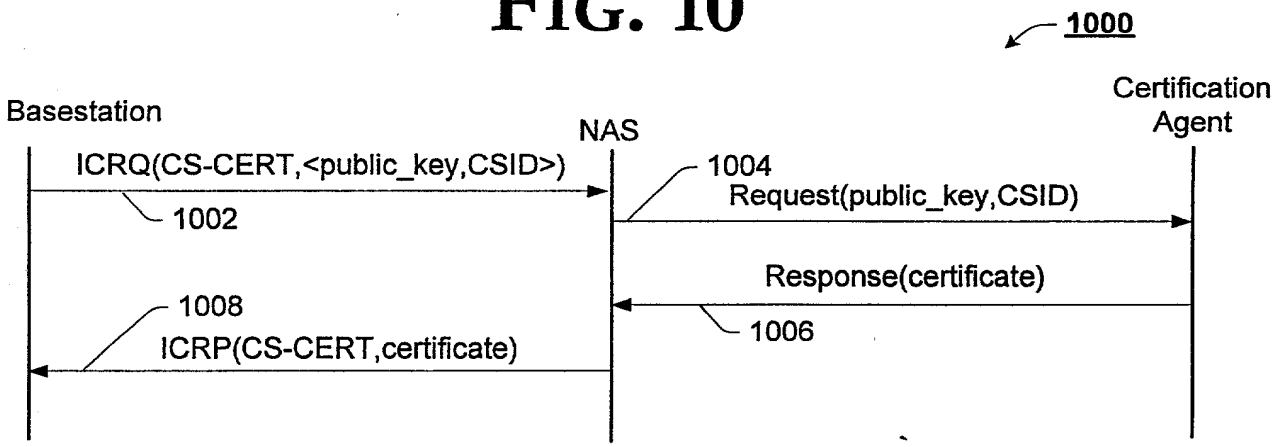
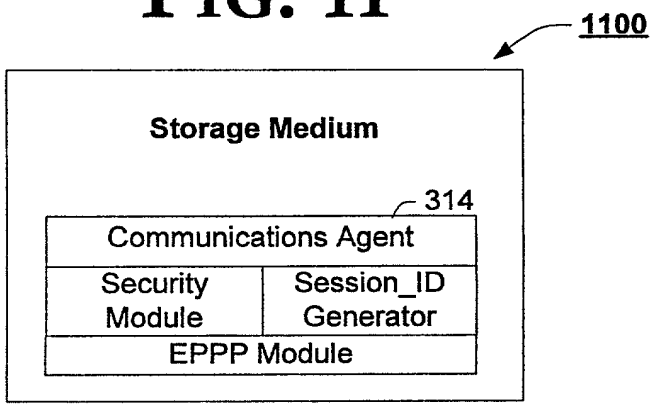

1000
Basestation
NAS
Certification Agent
ICRQ(CS-CERT,<public_key,CSID>)
1002
1004
Request(public_key,CSID)
Response(certificate)
1006
1008
ICRP(CS-CERT,certificate)

FIG. 11


1100
Storage Medium
314
Communications Agent
Security Module
Session_ID Generator
EPPP Module